

ALEXIS LEONARDO JALOMO

◇ GitHub: [Jalomo1197](#) ◇ alexisjalomo1197@gmail.com ◇ (+1)8725882999

EDUCATION

University of Illinois at Chicago

Class of 2020

B.S. in Computer Science, College of Engineering

GPA: 3.93

Relevant Coursework: *Data Structures & Algorithms, Software Design, Systems Programming, Programming Language Design & Implementation, Principles of Concurrent Programming, and Object-Oriented Languages & Environments.*

TECHNICAL STRENGTHS

Programming Languages:

Java, JavaScript, Scala, F#, C, C++, Unix, SQL.

Software & Tools:

Maven, Gradle, JUnit, NodeJS, React, GraphQL, MySQL, Git, Bit.

PROJECTS

Design Pattern Generator

Github: [DesignPatternGenerator](#)

- IntelliJ plugin program that generates the implementation code of supported design patterns, which is inserted into the user's project. Users can enhance the design before it is inserted. Such modifications include adding methods, adding fields, or adding implementations of interfaces.

Flow LEDs

Github: [LEDFlow](#)

- Using C, designed and implemented an algorithm that synchronizes the lights of programmable LED strips to the bass of songs. Accomplished using a vibration sensor (to attach to any speaker), LED strips, an Arduino, and additional parts (for an appropriate look).

GitHub GraphQL framework

Github: [GitHubGraphQL](#)

- A object-oriented pure functional design and implementation of a GraphQL client framework for GitHub. The framework composes and executes external GraphQL commands from Scala client programs. It obtains and processes the results of these executions.

Game Server

Github: [MatchMakingRPSLS](#)

- Using Java/JavaFX, built a Rock-Paper-Scissors-Lizard-Spock game server. Clients can see other online clients and challenge them to play. Once in a game, client disappears from the lobby until their game is finished/terminated. Clients return to the lobby after every game.

WORK EXPERIENCE

UIC, Chicago IL

Dec 2018

CS Tutor

- Developed student confidence through attentive instruction in programming and debugging, applying positive reinforcement strategies.
- Reviewed computer science class material with students to support discovery of correct answers to problems.

ACCOMPLISHMENTS

Scholarships

- 2018-19 TheDream.US - Jeff and MacKenzie Bezos Scholar.
- TheDream.US National Scholarship.